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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/653,118	08/31/2000	Rolf Ambuehl	19414-05249	4313
758	7590	04/05/2005	EXAMINER DANG, HUNG Q	
FENWICK & WEST LLP SILICON VALLEY CENTER 801 CALIFORNIA STREET MOUNTAIN VIEW, CA 94041			ART UNIT 2635	PAPER NUMBER

DATE MAILED: 04/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/653,118

Applicant(s)

AMBUEHL ET AL.

Examiner

Hung Q Dang

Art Unit

2635

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 November 2004.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10, 17-21, 23-25 and 28-33 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☒ Claim(s) 1-10, 17-21, 24, 29, 31 and 32 is/are allowed.
6) ☒ Claim(s) 23, 25, 28 and 30 is/are rejected.
7) ☒ Claim(s) 17-21 and 33 is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 31 August 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

1. Claims 1-16, 22 and 26-27 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected group, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 11/10/2004.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 23, 25, 28 and 30 are rejected under 35 U.S.C. 102(b) as being anticipated by Han U.S. Patent 5,605,505.

Regarding claims 23 and 28, Han teaches a method for processing digital information included in a transmissions from cordless devices (Figure 2, units 11 and 12) the method comprising:

collecting input capture data associated with the digital information included in at least a first transmission, the first transmission received from a first cordless device (Figure 2, units 11 and 12) configured to transmit asynchronously;

decoding the digital information to derive the associated input capture data (Figure 2, decoder 15 indicates decoding process); formatting the input capture data associated with the digital information; and

communicating the formatted input capture data to a host system (Figure 2, unit 18) having no active driver corresponding to the first cordless device.

Regarding claims 25 and 30, Han teaches a method for processing digital information included in an asynchronous transition from a composite cordless device, the method comprising:

collecting input capture data included in the digital information;

determining whether data included in the digital information is a first data type or a second data type based on the input capture data (See Figure 2; the first data type comes from control 11; the second data type comes from controller 12);

communicating the first type of data to its correct destination included in a host system (Figure 2, unit 18) having no active driver corresponding to the composite cordless device; and

communicating the second type of data to its correct destination included in a host system (Figure 2, unit 18) having no active driver corresponding to the composite cordless device.

Allowable Subject Matter

4. Claims 1-10, 24, 29 and 31-32 are allowed.

Regarding claim 1, the prior arts of record fail to teach or disclose a communication apparatus for processing digital information in transmission received from cordless device as claimed in claim 1, which includes an edge detection

mechanism coupled to the input for detecting state transitions included in the digital communication packet; a timer having a first value that is read in response to edge detection mechanism detecting a first state transition, and a second value that is read in response to the edge detection mechanism detecting a second state transition; and a data report engine operatively coupled to the central processing unit, the data report engine configured to communicate the formatted input capture data to a host system having no active driver corresponding to the first cordless device.

Regarding claims 24 and 29, the prior arts of record fail to teach or disclose a method for communicating status information from a cordless device to a corresponding driver running on a host system, the method comprises receiving a standard data report that indicates that status reporting is enabled and status data is available to be collected for the cordless device; and retrieving asynchronously the status data, the status data including at least one of an identity of the cordless device, a battery status of the cordless device, a profile of the cordless device, and a profile code of the cordless device.

5. Claims 17-21 and 33 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claim 33, the prior arts of record fail to teach or disclose the method of claim 23, which further comprises collecting input capture data associated with the digital information included in a second transmission, the second transmission received

from a second cordless device configured to transmit synchronously in response to a polling signal from the host; and communicating the formatted input capture data to the host system, the host system further having no active driver corresponding to the second cordless device.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung Q Dang whose telephone number is (571) 272-3069. The examiner can normally be reached on 9:30AM-6PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Horabik can be reached on (571) 272-3068. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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MICHAEL HORABIK
SUPERVISORY PATENT EXAMINER
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